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15 **UNITED STATES DISTRICT COURT**  
16 **NORTHERN DISTRICT OF CALIFORNIA**  
17 **SAN FRANCISCO DIVISION**

18 MAXIMILIAN KLEIN, et al., on behalf of  
19 themselves and all others similarly situated,

20 Plaintiffs,

21 v.

22 META PLATFORMS, INC., a Delaware  
23 Corporation,

24 Defendant.

25 Case No. 3:20-cv-08570-JD

26 **DEFENDANT META PLATFORMS,  
27 INC.'S NOTICE OF MOTION AND  
28 MOTION TO EXCLUDE EXPERT  
TESTIMONY AND OPINIONS OF  
MICHAEL WILLIAMS**

Hearing Date: June 20, 2024  
Time: 10:00 a.m.  
Judge: Hon. James Donato

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**PUBLIC REDACTED VERSION****NOTICE OF MOTION AND MOTION**

1  
2 PLEASE TAKE NOTICE that on June 20, 2024, at 10:00 a.m., Defendant Meta Platforms,  
3 Inc. will move the Court for an order granting Meta's Motion to Exclude the Expert Testimony  
4 and Opinions of Advertiser Plaintiffs' putative expert Michael Williams. Meta's motion is based  
5 on this Notice of Motion, the supporting Memorandum of Points and Authorities, and the  
6 Declaration of David Gringer filed herewith, along with the accompanying exhibits.

7 Pursuant to Federal Rule of Evidence 702 and *Daubert v. Merrell Dow Pharmaceuticals, Inc.*, 509 U.S. 579 (1993), and its progeny, Meta requests that the Court exclude the Kreitzman-  
9 Williams "yardstick" study and the purported hypothetical monopolist test and damages model  
10 that are drawn completely from the study. Meta further requests that the Court exclude Williams's  
11 opinion regarding the relevant product market and his opinions about Meta's alleged monopoly  
12 power in that market, which depend completely on that purported market's existence. Accordingly,  
13 Meta requests that the Court exclude the entirety of the Expert Merits Report of Michael Williams  
14 (Ex. 1)<sup>1</sup>, and the Expert Merits Rebuttal Report of Michael Williams (Ex. 2), and any testimony  
15 drawn from these reports.

**MEMORANDUM OF POINTS AND AUTHORITIES****INTRODUCTION**

18 Advertisers rely on Williams to establish a submarket of "social advertising," to show that  
19 Meta charged class members supracompetitive prices for that "social advertising," and to establish  
20 the amount of damages owed. Remarkably, Williams contends that he can do all three of those  
21 things through a "yardstick" study solely by comparing Meta's profits—not its prices—to three  
22 firms that might as well have been selected at random, and none of which (according to Williams)  
23 participate in the candidate market. No reliable study could accomplish all Williams seeks to do,  
24 and Williams's *unreliable* study does not do *anything* it seeks to do. It should be excluded.

25 As a threshold matter, the yardstick study errs by analyzing profits, rather than prices, while  
26 baselessly attempting to equate the two. That defect alone dooms the study and all of the other

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28<sup>1</sup> Unless otherwise noted, 'Ex.' citations reference exhibits to the Gringer Declaration filed  
herewith, emphasis is added, and objections are omitted for deposition citations.

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1 opinions that rest on it. But the study also suffers from other deep methodological failures, which  
2 Meta identified in its prior *Daubert* motion (Dkt. 662) and renews here and in the concurrently  
3 filed motion to exclude Kreitzman's merits opinions.

4 *First*, the study does not *attempt* to control for the many factors unrelated to anticompetitive  
5 conduct that [REDACTED] High profits can—and usually  
6 do—exist for reasons other than supracompetitive prices. Kreitzman never controls for any of these  
7 reasons (or anything). And even if high prices are an explanation for high profits, a comparison of  
8 profits alone cannot tell us anything about whether the profits are because of anticompetitive  
9 conduct, as opposed to market power earned through competition on the merits. The failure to even  
10 try to account for such factors renders completely unreliable Williams's assertion that [REDACTED]  
11 [REDACTED]

12 [REDACTED] *Second*, the selection process used to  
13 pick the yardstick firms is completely arbitrary, leading to absurd results. The facially deficient  
14 supposed "yardstick firms" include: a small Polish company ([REDACTED]) that sells (among  
15 other things) cars and travel packages, a company ([REDACTED] directly involved in the challenged  
16 conduct, and a Chinese company ([REDACTED] with *higher* profits than Meta. *Third*, the profits the  
17 study examines are not even the correct ones, as it fails to distinguish between Meta's out-of-  
18 market profits and its profits from "social advertising" in particular.

19 Williams's market definition analysis fares no better. He relies on the yardstick study as a  
20 purported SSNIP test, but that test is a SSNIP test in name only. It ignores the entire purpose of a  
21 SSNIP test, which is to analyze how consumers substitute among products in response to price  
22 increases. Instead of analyzing customer substitution, Williams just points to the fact that Meta's  
23 profits exceed his self-selected yardsticks, and then asserts that these supposed excess profits prove  
24 social advertising must be the relevant market.

25 Finally, even if Williams's study could possibly support a relevant market of something, it  
26 cannot support his "social advertising" market. To "define" a relevant market, the alleged market  
27 must have a clear definition, which Williams fails to provide. Although Williams's merits report  
28 offers a definition of "social advertising," as "[REDACTED]

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1 [REDACTED] his report almost completely ignores that definition when it comes  
2 time to place firms inside or outside the market. And in his deposition, Williams jettisoned his  
3 earlier (and itself nonsensical) definition of “social advertising,” testifying both that social  
4 advertising need not use social data contained in a social graph, and that he has no opinion whether  
5 there are non-social ads that use such data. Williams’s inability to land on a clear definition of  
6 “social advertising”—indeed, his inability to stick to any definition at all—makes it impossible for  
7 anyone to determine which firms and products are inside or outside Williams’s purported market.  
8 And it renders his effort to define the market and populate it with participants completely  
9 unreliable.

10 **ARGUMENT**

11 **I. THE KREITZMAN-WILLIAMS YARDSTICK STUDY REMAINS JUNK SCIENCE**

12 Williams’s merits and class certification reports present the same yardstick study—they  
13 rely on the same criteria, the same yardstick firms, and the same computation of their economic  
14 profit rates. *See* Ex. 3, Williams Merits Tr. 307:9-15 (agreeing that the “criteria that [he] used for  
15 the benchmark firms that [he] had in [his] class certification report … did not change for purposes  
16 of the yardstick methodology and [his] selection of yardsticks in [his] merits report”); Ex. 5,  
17 Kreitzman Merits Tr. 17:17-24 ([REDACTED])

18 [REDACTED]  
19 [REDACTED]; *id.* at 15:9-17 ([REDACTED])

20 [REDACTED]). It thus is the same junk that it was at the  
21 class certification stage and should be excluded for those same reasons. Meta accordingly renews  
22 its *Daubert* challenges to the yardstick method here and in the concurrently filed motion to exclude  
23 Kreitzman’s merits opinions. If the Court has already granted Meta’s class certification *Daubert*  
24 challenge to the Kreitzman-Williams yardstick study when it reaches this motion, it may wish to  
25 skip subsection I.A below and proceed to Section I.B which raises a new challenge to Williams’s  
26 opinions at the merits stage; if the Court has not reached or has denied Meta’s challenge to the  
27 study at the class certification stage, Meta presents additional information.

28

**PUBLIC REDACTED VERSION****1           A.    Williams Failed To Correct Problems With The Yardstick Study**

2           Meta has already explained the gaping methodological flaws with the Kreitzman-Williams  
 3 study, but summarizes those problems here for the Court's convenience. The first problem involves  
 4 the basic premise of Williams's study. As Meta's class certification opposition (Dkt. 671)  
 5 explained, the study looks only at Meta's profits, rather than its prices. *See* Ex. 3, Williams Merits  
 6 Tr. 299:9-16 ("Q. Right. My question was you did not do a calculation of what Meta's quality-  
 7 adjusted prices would have been in a but-for world; isn't that right? ... A. I don't believe my  
 8 reports have a specific study talking about quality-adjusted prices."); Ex. 5, Kreitzman Merits Tr.  
 9 13:5-9 [REDACTED]

10           [REDACTED] But this is an overcharge case—meaning the question is whether  
 11 Meta overcharged for ads. Meta's profits say nothing about whether Meta's advertising prices were  
 12 too high or, even if they were, whether those prices were attributable to the challenged conduct.  
 13 Williams's study should be excluded for baselessly assuming otherwise.

14           In addition to that overarching conceptual problem, the Kreitzman-Williams study also  
 15 suffers from three fundamental methodological flaws. *See* Dkt. 662. First, the study flunks the  
 16 "most important[]" requirement for a "yardstick methodology," which is "to control for any factors  
 17 that might have influenced [a firm's] profit performance that are competitively neutral or even  
 18 procompetitive." Areeda & Hovenkamp, *Antitrust Law* ¶397 (2023); *see* Dkt. 662 at 5-8.  
 19 Kreitzman and Williams have no controls. This renders their methodology wholly unreliable  
 20 because, as Kreitzman and Williams concede, [REDACTED]  
 21 [REDACTED]  
 22 [REDACTED]

23           [REDACTED] *See* Ex. 3, Williams Merits Tr. 277:14-278:7 (agreeing a monopolist "could maximize their  
 24 profits ... through a reduction of costs while prices remain steady"); Ex. 5, Kreitzman Merits Tr.  
 25 90:15-25 [REDACTED]

26           [REDACTED] *id.* at 113:16-24 ([REDACTED])  
 27           [REDACTED] Neither expert makes any effort to  
 28 control for or account for these factors. *See, e.g.*, Ex. 3, Williams Merits Tr. 284:22-285:8

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1 (testifying he has not “done an analysis of whether, in the but-for world, Meta’s economic profits  
2 could be reduced to the economic profits of the yardstick firms through a reduction in output that  
3 does not correspond to a reduction in advertising costs”); Ex. 5, Kreitzman Merits Tr. 85:12-18

4 (██████████ And  
5 even if high profits do stem from a firm’s prices, ██████████  
6 ██████████  
7 ██████████ *See* Ex. 4, Williams CC Tr. 229:23-230:3 (██████████  
8 ██████████  
9 ██████████); *id.* at 70:12-72:5 ██████████  
10 ██████████

11 ██████████ Ex. 6, Kreitzman CC Tr. 36:15-19  
12 (agreeing that “high profits … can exist even for years for reasons unrelated to anticompetitive  
13 conduct”). Again, neither Williams nor Kreitzman accounts for these factors in their yardstick  
14 study. *See id.* at 42:20-43:5 (these attributes “were not part of [his] six selection criteria” and “there  
15 were no adjustments to make for any of those factors in [his] calculations”), 45:4-10, 44:7-17,  
16 46:12-47:1; Ex. 4, Williams CC Tr. 185:7-21, 186:8-187:13 ██████████  
17 ██████████  
18 ██████████ Thus, the

19 Kreitzman-Williams study cannot even speak to the reasons for Meta’s profits. This is a principle  
20 with which Williams is familiar. *See Grasshopper House, LLC v. Clean & Sober Media LLC*, 2019  
21 WL 12074086, at \*12 (C.D. Cal. July 1, 2019) (“Dr. Williams’ methodology is also deficient for  
22 failing to consider … other factors” affecting profitability other than the alleged misconduct.).

23 Second, the yardstick firms forming the foundation for the Kreitzman-Williams study are  
24 not the product of a reliable methodology. *See* Dkt. 662 at 9-15. ██████████ their  
25 model may have excluded, for the sake of “convenience,” firms “that are at least as comparable or  
26 more comparable to Meta than the yardstick firms.” Ex. 6, Kreitzman CC Tr. 76:23-77:7; ██████████  
27 ██████████. And the bizarre final set of firms—a tiny Polish firm  
28 (██████████), a firm directly involved in the challenged conduct (██████████), and a firm with a

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higher profit rate than Meta (████)—simply confirms the unreliability of the selection process.

2        Third, the Kreitzman-Williams study fails to distinguish between in-market profits and out-  
3        of-market profits. The “study” examined all of Meta’s profits from all the ads that it sells. *See Ex.*  
4        6, Kreitzman CC Tr. 248:22-24 (agreeing he “did not distinguish between social and nonsocial  
5        advertising” profits); Ex. 4, Williams CC Tr. 282:16-21 ( [REDACTED]

6 [REDACTED] Advertisers allege that Meta monopolizes a submarket  
7 of the broader online advertising market that Advertisers call “social” advertising. The broader  
8 online advertising market is highly competitive, and necessarily (and concededly) not all ads Meta  
9 sells are social ads. *See* Dkt. 662 at 8-9; Ex. 7, Fasser CC Tr. 97:8-12 (Advertisers’ industry expert  
10 testifying that ads “placed on Facebook Marketplace that a user would encounter based on their  
11 entering of a search term … constitute search advertising”); *id.* at 82:15-83:1 (testifying that ads  
12 purchased through the Facebook Audience Network were only “social advertisements” if “placed  
13 on other social media networks”); Ex. 8, Gans CC Tr. 94:6-11 (agreeing that “ads that target purely  
14 on age and location” are not “ads that use data on social connections between users”).

15 Just as before, these fundamental methodological failures require exclusion of the  
16 Kreitzman-Williams study. See Dkt. 662; see also concurrently filed merits *Daubert* motion of  
17 Kreitzman's opinions.

## **B. Merits Expert Discovery Has Reinforced That The Yardstick Study Is Junk Science**

19 In fact, since Meta’s prior *Daubert* motion, the unreliability of the yardstick study has come  
20 into even starker relief. Williams has now all but conceded that his model does not actually  
21 “XXXXXXXXXX.” Ex. 2, Williams Merits Rebuttal ¶178  
22 (emphasis added). Williams testified that his damages model proceeds on the belief that “in the  
23 but-for world” without the disputed conduct, “Meta’s economic profit rate would have been equal  
24 to that of the yardstick firms,” and “that that would begin *on the first day of the class period*.” Ex.  
25 3, Williams Merits Tr. 258:20-25 (emphasis added). Yet he also admits that, in his opinion, Meta  
26 already possessed monopoly power prior to the start of the Class Period. *Id.* at 287:14-289:6 (“I  
27 think that certainly by December 2016, I think Meta had monopoly power”). He has no  
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1 explanation—none—for his speculative belief that Meta’s supposed monopoly power would have  
 2 instantaneously evaporated in December 2016 but for the challenged conduct, the vast majority of  
 3 which occurred long after December 2016. Williams’s decision to nonetheless proceed based on  
 4 pure speculation that Meta’s profit rate (and thus, in Williams’s view, its degree of market power)  
 5 would have, without the challenged conduct, somehow instantly come to match the yardsticks’ on  
 6 day one of the Class Period reinforces the fatal flaws in his opinions. An expert, of course, may  
 7 not base a damages model on “unsubstantiated speculation” just because doing so redounds to the  
 8 plaintiffs’ advantage, and Williams’s opinions should therefore be excluded. *See Diviero v.*  
 9 *Uniroyal Goodrich Tire Co.*, 114 F.3d 851, 853 (9th Cir. 1997).

10 **II. WILLIAMS’S HYPOTHETICAL MONOPOLIST AND SSNIP TEST IS JUNK SCIENCE**

11 **A. Williams’s Supposed HMT/SSNIP Test Is Not Such A Test**

12 Williams’s Report asserts that his market of “social” advertising is supported by what he  
 13 describes as an application of the Horizontal Merger Guidelines’ hypothetical monopolist test. The  
 14 test, properly applied, aims to determine whether a “hypothetical profit-maximizing firm … that  
 15 was the only present and future seller of” a product “likely would impose at least a small but  
 16 significant and non-transitory increase in price (‘SSNIP’) on at least one product in the market[.]”  
 17 U.S. Dep’t of Just. & FTC, *Horizontal Merger Guidelines* § 4.1.1 (2010). The purpose of a SSNIP  
 18 test is to “establish[] (or disprove[e]) the substitutability of two or more products.” *Sumotext Corp.*  
 19 *v. Zoove, Inc.*, 2020 WL 533006, at \*11 (N.D. Cal. Feb. 3, 2020). To that end, a properly conducted  
 20 SSNIP test proceeds by evaluating whether “a significant number of customers would respond to  
 21 a SSNIP *by purchasing substitute products*” outside the proposed market. *Theme Promotions, Inc.*  
 22 *v. News Am. Mktg. FSI*, 546 F.3d 991, 1002 (9th Cir. 2008) (emphasis added). SSNIP tests  
 23 normally examine evidence that bears on consumer substitution, like “past consumer-demand data  
 24 and/or consumer-survey responses.” *Epic Games, Inc. v. Apple, Inc.*, 67 F.4th 946, 975 (9th Cir.  
 25 2023). To Meta’s knowledge, no court has ever accepted a comparison of firms’ profits as a SSNIP.

26 Williams’s novel attempt to perform what he characterizes as a SSNIP test consists of the  
 27 following: He observes that the same fatally flawed yardstick analysis he relies on for injury and  
 28 damages shows that Meta “REDACTED”

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1 [REDACTED] which he interprets as proof that a “[REDACTED]  
2 [REDACTED] Ex. 1, Williams Merits Rep. ¶¶143-  
3 144. As a result, he “[REDACTED]  
4 [REDACTED]” *Id.* ¶146.

5 Williams’s so-called SSNIP test should be excluded because it is not in fact a SSNIP test,  
6 failing to assess customer substitution as a SSNIP test must. Williams never analyzes whether, in  
7 response to a price increase by a monopolist of social advertising, customers would substitute with  
8 purchases from other firms. He never analyzes which firms they would substitute to. And he never  
9 analyzes whether those substitutions would render a SSNIP unprofitable. Instead, he simply points  
10 to the fact that Meta’s profits exceed three firms’ (mainly [REDACTED]), and asserts that “social  
11 advertising” is therefore the relevant market. As he agreed, he “did not analyze or quantify the  
12 percent decrease in the quantity purchased of ads, either from Meta, in a Meta-only candidate  
13 market, or from all the firms in [his] candidate social advertising market as a result of a price  
14 increase.” Ex. 3, Williams Merits Tr. 179:14-24. That is a long way of saying that he did not  
15 conduct a SSNIP test.

16 Courts routinely exclude self-styled SSNIP tests like Williams’s where they replace the  
17 established process for conducting such a test with brand-new, made-for-litigation alternatives that  
18 lack a foundation in economics or case law. In *Sumotext Corp. v. Zoove, Inc.*, for example, the  
19 court excluded an expert’s supposed “natural SSNIP test.” 2020 WL 6544410, at \*7-9 (N.D. Cal.  
20 Nov. 6, 2020), *aff’d*, 2021 WL 488024 (9th Cir. Oct. 27, 2021), *cert. denied*, 142 S. Ct. 2836  
21 (2022). Much like here, the expert did not analyze customer substitution in response to price  
22 increases. Instead, he based his self-styled SSNIP test on “comparing, over time, prices of” the  
23 defendant’s product to prices for three expert-selected comparator products. *Id.* at \*7. Because that  
24 was not “grounded in any accepted methodology for conducting a market analysis,” the court  
25 properly excluded it. *Id.* at \*9. Likewise, in *Kentucky Speedway, LLC v. National Ass’n of Stock  
26 Car Auto Racing, Inc.*, the Sixth Circuit held that the district court properly excluded an expert’s  
27 so-called SSNIP test because it did not analyze “whether a price increase at a particular point in  
28 time would result in consumer substitution of an alternative product” but instead consisted of the

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1 expert’s “own version of the SSNIP test,” which “was produced solely for th[e] litigation.” 588  
 2 F.3d 908, 918-19 (6th Cir. 2009) (internal quotation marks omitted). Williams’s analysis is of a  
 3 piece with these junk SSNIP tests and so should likewise be excluded.

4                   **B. Williams’s HMT/SSNIP Relies On His Unsound Damages Study**

5                   As the foregoing description makes clear, Williams’s SSNIP test begins and ends with the  
 6 Kreitzman-Williams yardstick study. Ex. 1, Williams Merits Rep. ¶144 (

7 [REDACTED]  
 8 [REDACTED]

9 [REDACTED]. Williams’s so-called SSNIP test should be excluded for that reason alone.

10                  In addition, the pervasive methodological flaws with the yardstick study permeate its use  
 11 on market definition. As Williams agreed, his damages model was “the only basis for [the]  
 12 competitive price that [he] employed in the SSNIP test.” Ex. 3, Williams Merits Tr. 154:23-155:6.  
 13 Accordingly, Williams concedes that [REDACTED]

14 [REDACTED] Ex. 2, Williams Merits Rebuttal ¶46. And if the Kreitzman-  
 15 Williams yardstick study is excluded, the SSNIP test lacks any basis. So, if this Court finds that  
 16 Kreitzman-Williams yardstick study unreliable and orders the corresponding opinions excluded  
 17 (as it should), then it must also exclude Williams’s opinions regarding his SSNIP Test.

18                  **III. WILLIAMS HAS FAILED TO COHERENTLY DEFINE A PRODUCT MARKET**

19                  Williams’s merits expert report asserts that “social advertising” is the relevant antitrust  
 20 market in this case. Ex. 1, Williams Merits Rep. ¶18. The problem is that he cannot seem to decide  
 21 what that means. Williams first defined “social advertising” as “[REDACTED]

22 [REDACTED]” *Id.* ¶¶12, 21, 365.<sup>2</sup> He subsequently testified  
 23 that it is “possible” for an ad to “constitute social advertising even if it does not use social data  
 24 contained in a social graph.” Ex. 3, Williams Merits Tr. 21:12-23. And inversely, he testified that  
 25 he does not “have an opinion on” whether “there could be ads that use social data contained in the  
 26 [REDACTED]

27 <sup>2</sup> Williams in turn [REDACTED]

28 [REDACTED] Ex. 1, Williams Merits Rep. ¶29.

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1 social graph but that do not constitute social advertising.” *Id.* at 23:2-12. In other words, an ad  
2 targeted based on social data within a social graph is not necessarily social advertising—and  
3 selling social advertising does not necessarily mean an advertising provider has or uses a social  
4 graph.

5 An expert’s market definition opinions should be excluded when they “appl[y] an  
6 unreliable methodology” for determining which products “should be included in the relevant  
7 product market” as defined. *In re Live Concert Antitrust Litigation*, 863 F. Supp. 2d 966, 996 (C.D.  
8 Cal. 2012). Williams has not identified any criteria that would allow the factfinder to determine  
9 what is social advertising and what is not social advertising. And if it is not possible to reliably  
10 determine what is social advertising or not, then it is not possible to determine what is in or outside  
11 of the market. It is no surprise, then, that when Williams’s report analyzes which firms fall within  
12 or outside his market, his definition of the “social advertising” product virtually disappears. The  
13 term “social data” *never* appears in Section II.D of his report [REDACTED]  
14 [REDACTED]). And the term “social graph” appears only  
15 once, when he [REDACTED]  
16 [REDACTED]  
17 Ex. 1, Williams Merits Rep. ¶112. Notably, Williams does not analyze [REDACTED]  
18 [REDACTED]  
19 [REDACTED]. *See id.*

20 Williams’s definition of a “social graph,” at least on its face, encompasses all sorts of firms  
21 outside of his purported market—Amazon, Google (including YouTube), and Apple obviously  
22 have [REDACTED]  
23 [REDACTED] And they have “social data,” because, as Williams explained, he understood “social data”  
24 to include *any* information on a user that is contained in a social graph. *See* Ex. 3, Williams Merits  
25 Tr. 28:7-13 (“Q. Is it fair to say that in all the work that you’ve done in this case, you have not  
26 identified any data that would be organized in a social graph that would not constitute social data,  
27 under your definition of the term as you applied it? A. I can’t think of any right now.”). Amazon,  
28 Google, and Apple therefore have social graphs, as Williams has defined that term, all sell ads,

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1 and all would thus belong in the purported market, as Williams has defined its bounds; yet they  
2 are excluded based on Williams's *ipse dixit*.

3 Williams's you-know-it-when-you-see-it approach to populating the "social advertising"  
4 market is not a valid method for an expert market definition analysis. *See In re Google Play Store*  
5 *Antitrust Litig.*, 2023 WL 5532128, at \*10 (N.D. Cal. Aug. 28, 2023) (Donato, J.) ("[N]othing in  
6 either *Daubert* or the Federal Rules of Evidence requires a district court to admit opinion evidence  
7 that is connected to existing data only by the *ipse dixit* of the expert."). The decision from *In re*  
8 *Live Concert Antitrust Litigation* is instructive. There, the plaintiffs' expert defined the market as  
9 "live rock music concerts," and had to determine "which concerts qualify as 'rock' concerts, such  
10 that they should be included in the market as defined." 863 F. Supp. 2d at 994. To do so, he "relied  
11 on his own subjective opinion in order to determine which performers qualify as 'rock' artists"  
12 and thus belonged in the market." *Id.* The court excluded his market definition opinions because  
13 he "applied an unreliable methodology in determining whether every concert at issue in this  
14 litigation qualified as a 'rock' concert, which should be included in the relevant product market."  
15 *Id.* at 996.

16 Likewise, Williams in this case has "applied an unreliable methodology" in determining  
17 whether every advertising provider and ad product they offer qualifies as "social advertising,"  
18 which should be included in the relevant product market—indeed, Williams appears to have  
19 followed no methodology at all. As with *In re Live Concert Antitrust Litigation*, that "fatally  
20 undermines [his] definition of the relevant product market in its entirety." *Id.* at 996-97.

**CONCLUSION**

22 For the foregoing reasons, the Court should exclude the testimony of Williams in full.

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Respectfully submitted,

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## **CERTIFICATE OF SERVICE**

2 I hereby certify that on this 5th day of April, 2024, I electronically transmitted the public  
3 redacted version of the foregoing document to the Clerk's Office using the CM/ECF System and  
4 caused the version of the foregoing document filed under seal to be transmitted to counsel of record  
5 by email.

By: /s/ Sonal N. Mehta  
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